

Same-RPM Rotary Motion to Eccentric Rotary Motion Conversion and Waste Product Collection

Abstract

A device and method to convert ordinary rotary motion of input frequency Ω into a composite motion with the same primary frequency Ω plus an eccentric motion at a higher frequency ω enables a low speed rotary input to drive a higher-speed eccentric motion. A preferred embodiment enables an existing rotary motion machine to be easily adapted to provide compound rotary and eccentric motion. Optional attachments are used to collect waste products generated by rotary motion machine.